

DT05 Rec'd PCT/PTO 26 JAN 2005

Translation of German Document WO 2004/013532 A1**[Cover Page: See German Source Text.]**(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY
(PCT)

(11) WO 2004/013532

(13) A1

(21) PCT/EP2003/008148

(22) 24 July 2003 (24.07.2003)

(25) German (26) German

(30) 102 34 372.1 27 July 2002

DE

(43) 12 February 2004

(51)⁷ F16L 25/00, 33/207, 33/01

(71) EATON FLUID POWER GMBH [DE/DE]; Dr.-Reckeweg-Strasse 1, 76532 Baden-Baden (DE).

(72)

(75) HILGERT, Andreas [DE/DE]; Bergstrasse 2c, 76547 Sinzheim (DE).

(74) ABEL, Thomas; Rüger, Barthelt & Abel, Webergasse 3, 73728 Esslingen (DE).

(81) AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published

-- with international search report [See German Source Text.]

-- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(54) CORRUGATED PIPE HOSE ASSEMBLY AND CONNECTION METHOD

(57) The invention relates to corrugated pipe hose assemblies which are not provided with fixtures and which are used to transport preferably gaseous media in high-pressure applications, wherein a mount (3) is provided in order to receive an open end of the corrugated pipe (6) of the corrugated pipe assembly (2) and which is pressed therewith in order to form a metallic seal. The seal is obtained by means of a sealing bushing (25) between the inner wall (18) of one part (16) of the mount and the ribs (8) of the corrugated pipe (6). Another part (17) of the mount (3) firmly holds a section (27) of the covering (11) of the corrugated pipe hose assembly (2) in an axial direction and also with respect to tilting movements such that pivoting movements of the corrugated pipe hose assembly (2) do not result in a relative movement between the corrugated pipe (6) and the mount (3), especially with regard to one part (16). The sealing area thus remains unaffected even when mechanical load of the corrugated pipe hose assembly (1) occurs as a result of traction or bending.